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(71) Applicants: **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-FIN-02150 Espoo (FI). **NOKIA INC.** [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

(72) Inventors: **KOTOLA, Sakari**; Alppitie 10B, FIN-02700 Kauniainen (FI). **HUSSMANN, Holger**; Satakunnankatu 22E 125, FIN-33210 Tampere (FI).

(74) Agents: **REDMOND, Joseph, C.** et al.; c/o Morgan & Finnegan, LLP, 345 Park Avenue, New York, NY 10154-0053 (US).

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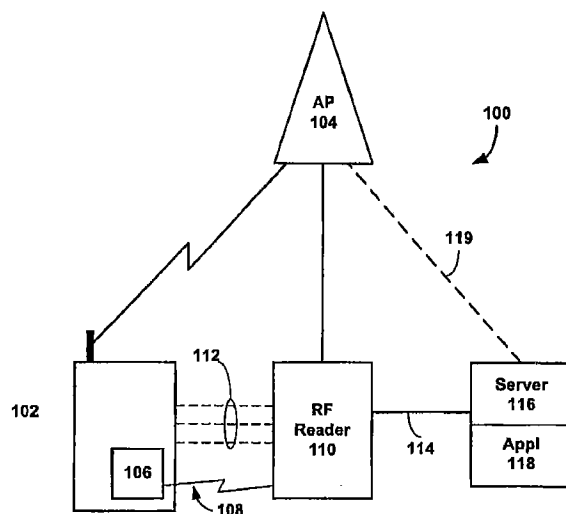
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(54) Title: RADIO FREQUENCY IDENTIFICATION (RF-ID) BASED DISCOVERY FOR SHORT RANGE RADIO COMMUNICATION



(57) Abstract: An RF-ID base wireless terminal (102) has shortened session set-up and user identification time for conducting transactions with interactive service applications (118). The wireless terminal (102) includes a terminal identification number and a user identification number as an RF-ID tag (106). An RF-ID reader (110) transmits an RF field for detecting the RF-ID tag (106) in the terminal (102) and provides an output signal when the terminal is within the reader field. The output signal establishes a connectionless communication to an access point (104) or terminal which initiates a wireless paging operation, in lieu of conducting a terminal discovery process, based upon the content of the RF-ID tag (106). The terminal (102) initiates a wireless session between the terminal (102) and the access point (106) or terminal for conducting transactions with a service application (118) linked to the access point or terminal.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB03/00897

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04B 7/00

US CL : 455/41.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 455/41.2, 41.1, 41.3, 517, 518, 519; 340/10.1, 10.4, 10.52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST (BRS) key terms: RF-ID, bluetooth, interrogation

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, P --- Y, P	US 2003/0008647 A1 (TAKATORI et al) 09 January 2003 (09.01.2003) See Figures 1-7, Paragraphs 0058-0139	1-4, 7-13, 15-20, 22-24, 27-33, 35-43, 46-49, 51-62, 64-65, 68, 71 ----- 5, 6, 14, 21, 25, 26, 34, 44, 45, 50, 63, 66, 67, 69, 70
Y, P	US 6,456,039 B1 (LAUPER et al) 24 September 2002 (24.09.2002) see column 3 lines 22-34; column 4 lines 39-51	5, 6, 14, 21, 25, 26, 34, 44, 45, 50, 63, 66, 67, 69, 70
A	US 6,282,407, B1 (VEGA et al) 28 August 2001 (28.08.2001), ALL	1-71
A	WO 01/45038 A2 (HUM et al) 21 June 2001 (21.06.2001), ALL	1-71
A	US 6,104,333 A (WOOD, JR et al) 15 August 2000 (15.08.2000), ALL	1-71



Further documents are listed in the continuation of Box C.



See patent family annex.

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"O"	document referring to an oral disclosure, use, exhibition or other means	
"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Lewis G. West

Telephone No. 703-308,9298